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Appl. No.: 10/082,450 Amdt. dated September 14, 2009 Reply to PUBS Requirement to Amend Specification

Amendments to the Specification:

Please replace the last line on page 125 and lines 1-13 on page 126 of the Specification with the following:

Example 1. FIGS. 44A-C exemplify the application of the cell rearrangement $X_{(3\,2\,1)}$ on stage 2 (44011) of the 16x16 baseline network [id: (1 2 3 4): (2 3 4): (3 4): id] 44010 of FIG. 44A; network 44020 of FIG. 44B is the rearranged network before simplifying the pictorial display of the exchanges. The cell rearrangement relocates a stage-2 cell from the generic address binary($b_1b_2b_3$) to the new address binary($b_2b_3b_1$). In other words, the exchange $X_{(1\,2\,3\,4)}$ (44012) of FIG. 44A immediately before stage 2 is multiplied by $X_{(3\,2\,1)}$ (44021) of FIG. 44B from the right-hand side to yield the resulting exchange $X_{(3\,4)}$ (44031) of FIG. G1C44C, while the exchange $X_{(2\,3\,4)}$ (44013) of FIG. 44A immediately after stage 2 is multiplied by $X_{(1\,2\,3)}$ (44022) of FIG. 44B, i.e., the inverse of $X_{(3\,2\,1)}$, from the left-hand side to yield the resulting exchange $X_{(4\,2)(3\,1)}$ (44032) of FIG. 44C.

The cell rearrangement results the network 44030 having a simplified graphical representation:

[id: (1 2 3 4)(3 2 1): (1 2 3)(2 3 4): (3 4): id] = [id: (4 3): (4 2)(3 1): (4 3): id]